

REMARKS

Formal Matters

Claims 27, 31, 32, 34-38, 46, 47, 52-63, and 65-80 are pending after entry of the amendments set forth herein.

Claims 60, 68, 76 and 79 are amended. Claims 60, 68 and 76 are amended to clarify the language of the claims. Claim 79 is amended to reintroduce dependency from Claim 63, which was removed by the Examiner in the Examiner's Amendment mailed January 13, 2010.

No new matter is added.

Interview Summary

Applicants are grateful for the telephonic interview with Examiner Le on March 16, 2010. The current amendment under §1.312 was discussed, as was the filing of an Information Disclosure Statement (IDS) to provide the corrected English translation of the reference discussed in detail below.

The Examiner indicated she would consider the §1.312 amendments.

The Examiner also agreed to enter the IDS and indicate the corrected English translation of the reference has been considered.

Information Disclosure Statement

Applicants also submit here an Information Disclosure Statement (IDS) to make of records a corrected copy the English translation of Jianchao et al. (1993) "Study on Determining the Molecular Weight of PICKCa and PI.PC with the Method of Polyacrylamide Gel Electrophoresis (PAGE)" Chinese Journal of Pharm. Analysis 13 (4): 219-222. As discussed with the Examiner, this IDS is *not* to submit a new reference, but rather to ensure this corrected English translation of the Jianchao et al. reference is of record.

Applicants have noted that the two well known equations in the art to calculate the molecular weight of a sample using Rf or S were incorrectly carried over from the Chinese version of the reference. Compare page 221, column 2, lines 2 and line 4 of the Chinese version of the reference, reproduced below:

4. 由于已知 RNA 在自由电泳中其泳动率与分子量的对数或沉降系数成反比的线性关系^[2], 所以我们可以通过图2的标准曲线上任取两点[或用4S 和14S 两个坐标点($y_1=4, x_1=1$; $y_2=14, x_2=9.11$)], 用直线方程 $Y=a+bx$ 解出两个常数 a 和 b 的值并得到 S 与 Rf 的函数关系式 $S=15.236-11.236Rf$ 。

5. 将由各批 PICKCa 和 PI, PC 样品的电泳结果得到的 Rf 值代入公式求得 S 值(表2)。

然后根据各样品的 Rf 值通过经验公式 $MW=(6.88-5.63Rf)^2 \times 10^4$ 算出各批样品的分子量 MW_1 , 再用由 Rf 值算得的 S 值通过另一个经验公式 $MW=1100S^{2.2}$ 求得 MW_2 。结果发现 MW_1 和 MW_2 在一定范围内几乎相等。这一结果说明图2曲线的制作依据是可靠的。上述 $S=15.236-11.236Rf$ 的关系式在一定的分子量范围内也是成立的。

6. 此外, 根据 Rickwood 等介绍的“标准

with Point 5 under Results and Discussion of the English translation, reproduced below:

5. As we already determined the Rf value of different PICKCa and PI, PC samples, we could calculate S value, respectively (Fig. 2). There are two classic equations to calculate the molecular weight of the sample using either Rf ($MW=(6.88-5.63Rf)^2 \times 10^4$) or S ($MW=1100S$). We found that within certain range, the molecular weights calculated through these two formulas are similar to each other, which indicates that the equation $S=15.236-11.236Rf$ is reliable within certain MW range.

It is clear that the equation for calculating the molecular weight of a sample using Rf should read “ $MW=(6.88-5.63Rf)^2 \times 10^4$ ” and that the equation for calculating the molecular weight of a sample using S should read “ $MW=1100S^{2.2}$ ”. Indeed, the instant application recites the formulas to be $MW=(6.88-5.63Rf)^2 \times 10^4$ and $MW=1100S^{2.2}$, see, e.g. page 5, last full paragraph. Accordingly, these corrections in the English translation add no new matter. Applicants therefore request entry of the corrected translation into the record.

The Commissioner is hereby authorized to charge any underpayment of fees associated with this communication, including any necessary fees for extensions of time, or credit any overpayment to Deposit Account No. 50-0815, order number NBMP-001(SP).

Respectfully submitted,

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Enclosures: IDS to make of record corrected copy of Jianchao et al. (1993) Chinese Journal of Pharm. Analysis 13 (4): 219-222.

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